

[54] PROCESS FOR PREPARING 2,6-DIALKYLNAPHTHALENE

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Related U.S. Application Data

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[58] Field of Search 585/323, 312, 585/313, 314, 315, 486, 489, 478, 481, 449, 450, 467

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[57] ABSTRACT

A process for producing 2,6-dialkyl-naphthalene from a hydrocarbon feedstock that contains at least one component selected from the group consisting of dialkyl-naphthalene isomers, monoalkyl-naphthalene isomers, polyalkyl-naphthalenes, and naphthalene, is provided that includes the following steps:

- I. separating the hydrocarbon feedstock and/or a dealkylation product fed from step III into a naphthalene fraction, a monoalkyl-naphthalene fraction, a dialkyl-naphthalene fraction and a remaining products fraction;
- II. separating and purifying 2,6-dialkyl-naphthalene from the dialkyl-naphthalene fraction of step I;
- III. dealkylating the hydrocarbon feedstock and/or the remaining products fraction of step I and feeding the dealkylation product to step I; and
- IV. alkylating the naphthalene and monoalkyl-naphthalene fractions of step I;

wherein the hydrocarbon feedstock is fed to step I or step III.

26 Claims, 9 Drawing Sheets

